

STORM STRUCTURE SCHEDULE:

- 1. VDOT ST'D DI-1 GRATE INLET
TOP: 916.50
INV. IN: 913.25
INV. OUT: 913.15
- 2. 63.55 LF OF 15" TYPE S HDPE AT 0.99%
- 3. VDOT ST'D MH-2 MH
TOP: 917.5
INV. IN: 912.52
INV. OUT: 912.42
- 4. 93.40 LF OF 15" TYPE S HDPE AT 1.00%
- 5. VDOT STD. MH-S MH
TOP: 917.25
INV. IN: 911.49
INV. OUT: 911.39
- 6. 35.24 LF OF 15" RCP AT 1.00%
INV. OUT: 911.04
- 7. NYLOPLAST INLET
CAST IRON 12" GRATE TOP
TOP: 917.25
INV: 914.25
- 8. 42.53' OF 8" SCH-40 PVC AT 2.35%
- 9. 4' OF 6" SCH-40 PVC PIPE @ 2.0%
- 10. 2.5' OF 6" SCH-40 PVC PIPE @ 2.0%
- 11. 16' OF 6" SCH-40 PVC PIPE @ 2.0%
- 12. VDOT ST'D DI-3B CURB INLET
6" THROAT
TOP: 918.95
INV. OUT: 914.55

NOTES:
1. VDOT STD IS-1 INLET SHAPING SHALL BE PROVIDED IN ALL PROPOSED STRUCTURES
2. NON-SHRINK GROUT SHALL BE USED FOR ALL STORM SEWER PIPE CONNECTIONS.

SANITARY SEWER SCHEDULE:

- A. NEW S.S. CLEANOUT
TOP: 917.30'
INV. IN: 913.50'
INV. OUT: 913.40'
- B. 12.7 LF OF 6" SDR-35 PVC PIPE @ 8%
- C. EX. S.S. MH
EX. RIM: 916.53'
EX. INV. OUT: 911.78'
NEW INV. IN: 912.38'

EXCAVATION/SIGNAL STABILIZATION:

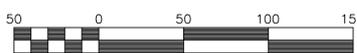
- PRIOR TO ANY EXCAVATION IN THE AREA OF THE BRIDGE OR SIGNAL, THE G.C. SHALL SUBMIT A DETAILED CONSTRUCTION SEQUENCE TO OUTLINE THE STABILITY OF THE EXISTING SIGNAL POLE AND FOUNDATION.
- THE ANTICIPATED SHORING SHALL EITHER BE A CABLE AND DEADMAN SYSTEM OR CRANE SYSTEM TO PROVIDE TEMPORARY STABILIZATION OF THE EXISTING SIGNAL POLE DURING EXCAVATION AND CONSTRUCTION RELATED TO THE PROPOSED RETAINING WALL.
- ALL EXCAVATION SHALL BE PER OSHA REGULATIONS.
- G.C. SHALL CLOSE OFF THE ADJACENT SIDEWALK AS NEEDED DURING CONSTRUCTION OPERATIONS. A SIDEWALK CLOSURE PLAN SHALL BE PROVIDED TO THE CITY AND REVIEWED/APPROVED PRIOR TO THE CLOSURE.

SITE GRADING NOTES:

- NO CONSTRUCTION/FIELD CHANGES WITHOUT THE APPROVAL OF THE CONSULTING ENGINEER AND CITY OF ROANOKE PLANNING, BUILDING, AND DEVELOPMENT DEPARTMENT.
- CONTRACTOR TO ENSURE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES AND TO PROPOSED INLETS.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES WITH EXISTING UTILITIES ARE LOCATED DURING THE GRADING PROCESS FOR THE SITE PRIOR TO PROCEEDING WITH ANY FURTHER WORK.
- PROPOSED CONCRETE SIDEWALKS SHALL HAVE A MAX. 2% CROSS SLOPE TOWARDS THE PUBLIC ROADWAYS AND AWAY FROM THE PROPOSED BUILDING.
- PROPERTY IS LOCATED WITHIN THE AE FLOODZONE AS SHOWN ON FEMA MAP 51161C0164G & 51161C0168G WITH MAP REVISION DATE OF SEPTEMBER 28, 2007. EXISTING FLOODPLAIN ELEVATION 921'.
- G.C. SHALL BE RESPONSIBLE FOR CONFIRMING THE PAVEMENT TIE IN LOCATIONS & ELEVATIONS PRIOR TO ANY CONSTRUCTION TO CONFIRM EXISTING CONDITIONS. G.C. SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY QUESTIONS/CONCERNS OR DISCREPANCIES FOUND ON-SITE.

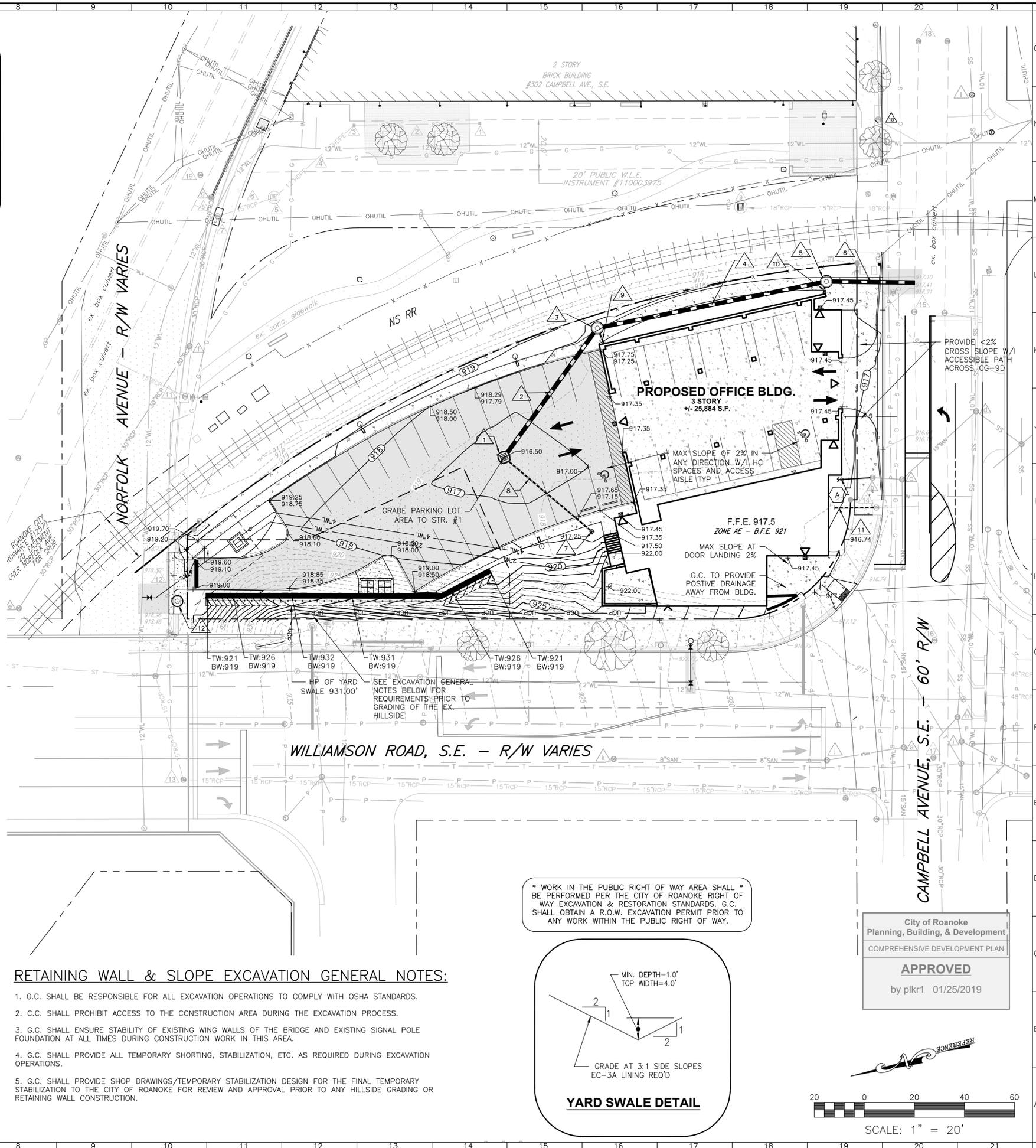
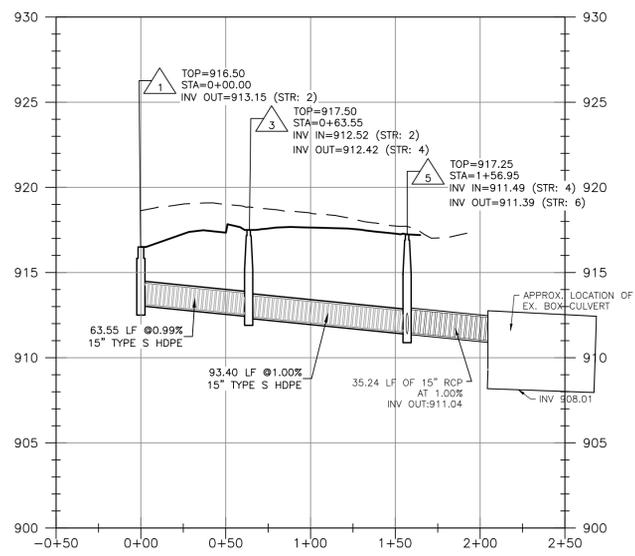


VERTICAL SCALE: 1" = 5'

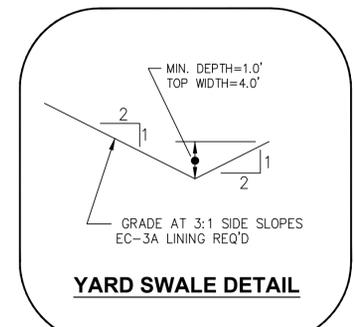


HORIZONTAL SCALE: 1" = 50'

STORM SEWER PROFILE



* WORK IN THE PUBLIC RIGHT OF WAY AREA SHALL *
BE PERFORMED PER THE CITY OF ROANOKE RIGHT OF
WAY EXCAVATION & RESTORATION STANDARDS. G.C.
SHALL OBTAIN A R.O.W. EXCAVATION PERMIT PRIOR TO
ANY WORK WITHIN THE PUBLIC RIGHT OF WAY.



YARD SWALE DETAIL

RETAINING WALL & SLOPE EXCAVATION GENERAL NOTES:

- G.C. SHALL BE RESPONSIBLE FOR ALL EXCAVATION OPERATIONS TO COMPLY WITH OSHA STANDARDS.
- C.C. SHALL PROHIBIT ACCESS TO THE CONSTRUCTION AREA DURING THE EXCAVATION PROCESS.
- G.C. SHALL ENSURE STABILITY OF EXISTING WING WALLS OF THE BRIDGE AND EXISTING SIGNAL POLE FOUNDATION AT ALL TIMES DURING CONSTRUCTION WORK IN THIS AREA.
- G.C. SHALL PROVIDE ALL TEMPORARY SHORING, STABILIZATION, ETC. AS REQUIRED DURING EXCAVATION OPERATIONS.
- G.C. SHALL PROVIDE SHOP DRAWINGS/TEMPORARY STABILIZATION DESIGN FOR THE FINAL TEMPORARY STABILIZATION TO THE CITY OF ROANOKE FOR REVIEW AND APPROVAL PRIOR TO ANY HILLSIDE GRADING OR RETAINING WALL CONSTRUCTION.

City of Roanoke
Planning, Building, & Development
COMPREHENSIVE DEVELOPMENT PLAN
APPROVED
by plkr1 01/25/2019



SCALE: 1" = 20'